

BALANCES

COUNTING SCALES

BENCH SCALES

CHECKWEIGHERS

CONVEYOR SCALES

FLOOR SCALES

INDICATORS

RAILROAD SCALES

SOFTWARE

WEIGHBRIDGES

JUNCTION BOXES

SIGNAL PROCESSING

FORKLIFT SCALES

MONORAIL SCALES

PRINTERS

REMOTE DISPLAYS

Avery Weigh-Tronix
Weighbridges



WEIGHBRIDGES

RELIABLE RUGGED PRECISE

Legendary reliability and precision with the exclusive Weigh Bar® and rugged weighbridge design backed by an industry-leading warranty.

Avery Weigh-Tronix understands the needs of weighbridge users like no other organisation. We offer a single reliable source for weighbridges, indicators, software and service. All backed by the technical support and unrivalled nationwide service coverage only the UK's leading weighing company can provide.

A perfect fit for any application

BRIDGEMONT®

Long-lasting performance for heavy to moderate traffic and axle loads

The versatile BridgeMont series truck scales are designed for the majority of users – those that require a dependable, long-lasting scale, but don't need the extreme axle load capacity of an XT. The BridgeMont series offers an unbeatable combination of structural integrity and cost effectiveness. Available in steel or concrete with many sizes and capacities to choose from, BridgeMont fits virtually any application.

- ▶ **Fully Assembled** – Scales arrive on-site fully assembled and are easily installed in a pit, or above ground on a slab or piers. Available with a steel or concrete deck surface.
- ▶ **Low Profile** – Features a low 355mm profile that saves space and construction costs by using a shorter approach area. Higher profile for additional clearance is easily accomplished with affordable base plate options.
- ▶ **Standard to Custom** – A wide range of standard lengths and widths or custom built to customer specifications.



BRIDGEMONT TRANSPORTABLE

Containerisation for more economical shipping

"The BridgeMont Transportable (BMS-T) weighbridge has been designed with the overseas market in mind, providing customers with the same robust BridgeMont design that they have come to expect from Avery Weigh-Tronix, but with the added benefit of containerisation for more economical shipping costs. Designed for applications with axle loads up to 35t DTA and capacities up to 120 tonnes the BMS-T is available in a variety of lengths up to 24 metres. The BMS-T utilises either our industry leading T-series load cells or 34t Weigh Bars with Easi-Post self-correcting suspension for outstanding strength and reliability."





BRIDGEMONT XT

Long-lasting performance for extreme traffic and axle loads

BridgeMont XT is a true heavyweight in the industry. It is a premium scale engineered to thrive on heavy, frequent, day-to-day use. The XT is often used in aggregate, logging, and recycling operations as well as for high traffic, over-the-road weighing.

The extra rugged design and construction means structural integrity will be maintained, even after many years of heavy use. With the added reassurance of a 5-year weighbridge warranty, BridgeMont XT will last even in the most arduous of conditions.

- ▶ **Fully Assembled** – Weighbridges arrive on-site fully assembled and are easily installed in a pit, or above ground on a slab or piers. Available with a steel or concrete deck surface.
- ▶ **Low Profile** – BridgeMont XT features a low 355mm profile that saves real estate and construction costs by using a shorter approach area. Higher profile for additional clearance is easily accomplished with affordable base plate options.
- ▶ **Standard to Custom** – A wide range of standard lengths and widths or built to customer specifications. Also available as a portable unit.



OFF-ROAD

Our off-road weighbridges are specially made to meet the tough demands of industries such as mining and quarrying. Widths range up to 4.5 m and standard lengths of up to 24 m. Custom designs are also available to meet your vehicle specification.

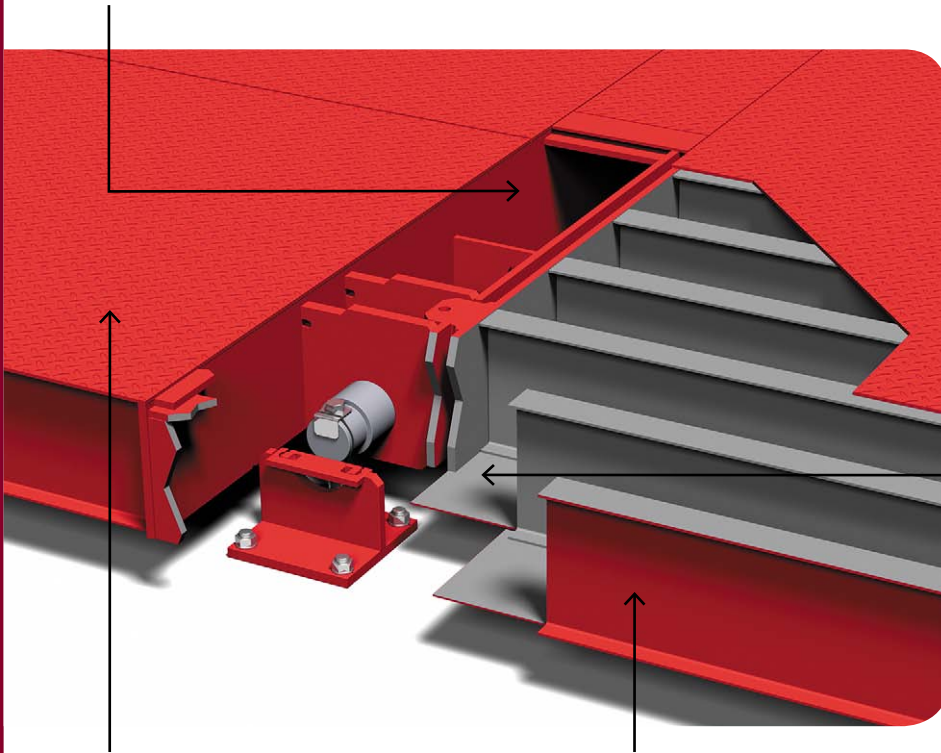
Innovative design features ensure reliable and precise vehicle weighing

RUGGED WEIGHBRIDGE DESIGN

High-quality construction ensures long-lasting integrity

Convenient, top access maintenance

Removable section covers allow convenient top access for maintenance and service.



Exceptional rust and corrosion protection

External surfaces are shot blasted and treated with the high specification industrial paint finish to seal out the elements.

High-strength steel construction

Only the highest quality structural steel is used. Automated continuous welding provides extra strength and no weak spots.

No check rods or bumper bolts

Internal checking system at each section is self-aligning. Safely prevents excessive scale movement during acceleration and braking.

No exposed wiring

Cables are routed through steel conduit for extra protection.

Fully assembled

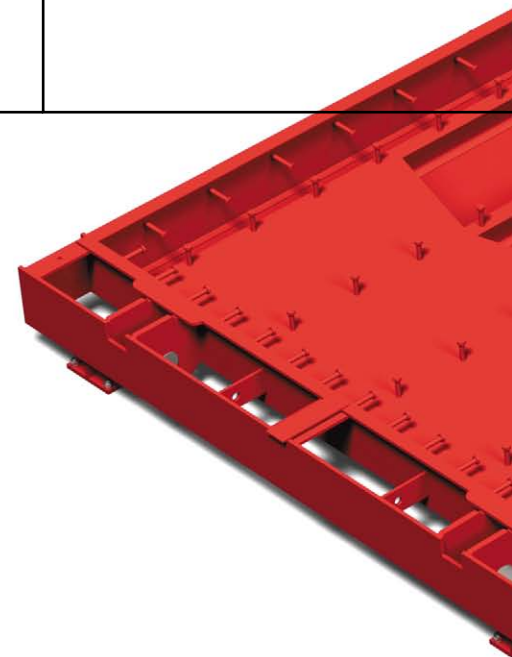
Quick, easy installation with no hidden labour or material costs.

Steel or concrete

Choose the easy installation of a steel deck (BMS), or the enhanced durability of a concrete surface (BMC).

Solid underside

Bottom plates are important stress-carrying members that increase strength and rigidity by joining the bottom I-beam flanges together. 100% welding ensures maximum strength and corrosion prevention.



Finite Element Analysis

Advanced engineering ensures all weighbridge components meet design specifications for long-term structural integrity.



Composite design

Unlike many competitors, only the top half (127mm) of the deck is poured, allowing the concrete to stay in compression. Tension forces are handled by the high-strength steel structure below the concrete. Fiber-mesh concrete is specified to increase strength and resist cracking.

Concrete reinforcement

Factory welded studs bond the concrete to the steel structure, eliminating the need for costly and time-consuming rebar.

No-bolt module connections

Simple hook and notch design allows quick, easy joining of the modules. Overall scale length is easily increased by adding modules.

Low profile

355mm height from baseplate to driving surface.

OPTIONAL T302X LOAD CELL

The ideal weight sensor for ATEX environments and special applications.

The T302X is a compact, super-precision, legal-for-trade load cell ideal for ATEX environments and special applications.

- ▶ Compact design.
- ▶ Leading 5000d OIML accuracy.
- ▶ IP69K sealing and robust surge suppression.
- ▶ Full 2-year warranty.
- ▶ 22.5 and 45 tonne capacities.
- ▶ Digital T301x variant in 30 and 50 tonne options.



Innovative design features

THE LEGENDARY WEIGH BAR®

A proven weight sensor



Reliable

For over 30 years, the exclusive Avery Weigh-Tronix Weigh Bar has enjoyed a reputation for precision and reliability – something no other load cell can match. The Weigh Bar's long service life is a key factor why Avery Weigh-Tronix weighbridges offer the lowest cost of ownership, with fewer service calls and costly load cell replacements.

Rugged

The Weigh Bar contains 3 to 10 times more steel content than shear beams or compression cells. Unlike other load cells, it easily absorbs impact to minimise peak forces and is virtually fatigue-proof. The Weigh Bar is proven to resist electrical surges and is protected by a 2-year warranty that includes coverage against lightning damage.

Consistent

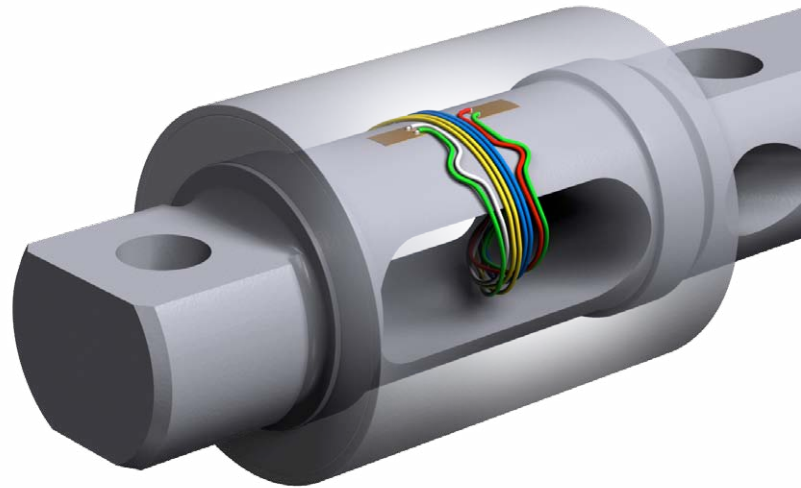
Each Weigh Bar is precision machined by Avery Weigh-Tronix from aircraft-quality alloy steel for excellent repeatability and long-term durability. The entire process is controlled by strict, ISO certified quality standards.

Accurate

The sensor's design automatically cancels the effects of side loading, end loading and twisting, resulting in quick, accurate readings. Only vertical forces are measured, regardless of vibration and shock loads on the scale. Weigh Bars ignore the effects of weighbridge expansion/contraction due to temperature change.

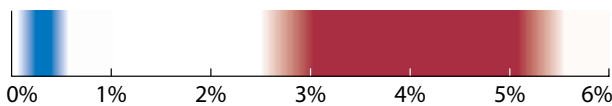
Sealed

The Weigh Bar is well protected against harsh environments by an exclusive 5-layer, sealing process.



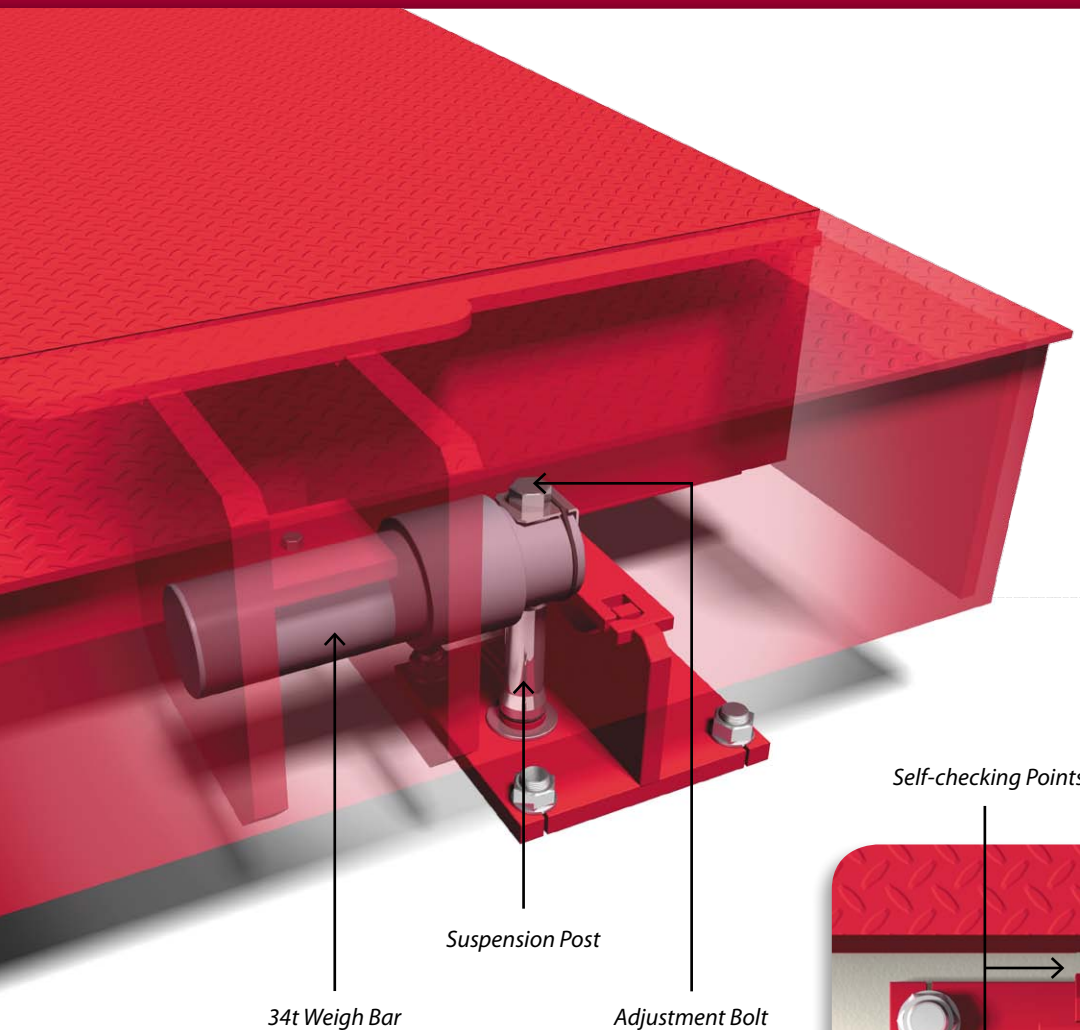
Annual Load Cell Failure Rate

■ Weigh Bar
■ Other Models



The Weigh Bar's massive size makes its reputation for reliability readily apparent.





34t Weigh Bar

Suspension Post

Adjustment Bolt

EASI-POST™ SUSPENSION

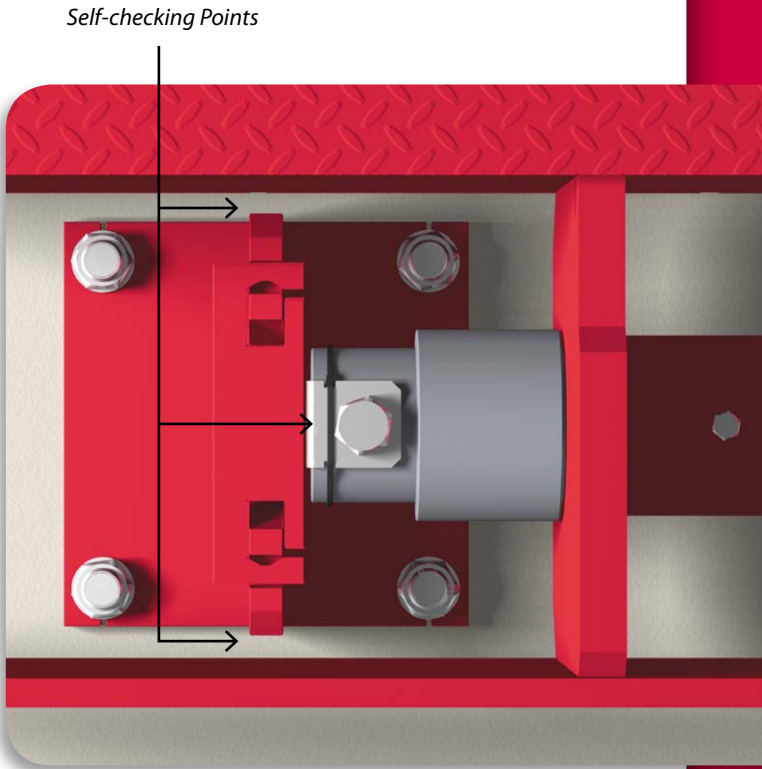
Rugged, precise and easy to install

The Easi-Post suspension system is a proven design that offers a high degree of performance, efficiency, and durability while absorbing the energy applied to the weighbridge during braking and acceleration.

Easi-Post greatly simplifies the job of leveling a weighbridge with the foundation, making it ideal for those “less than perfect” foundations. Each module may be raised or lowered by 12.5mm with a simple turn of the adjustment bolt. The heavy-duty, stainless steel components provide long-lasting performance.

Checking

Checking systems are internal and self-aligning. They allow for deck expansion/contraction, self-check against the weighbridge end box plates and negate the need for adjustable stops.



Self-checking Points

Dampening

The patented features of Easi-Post quickly stabilise rocking motion as trucks stop and go, for fast and stable weight readings.

Installation

Base plates are anchored directly to pier tops. No grouting is necessary for proper alignment.

Select from a wide range of options and accessories to create a powerful and versatile vehicle weighing system.

Options Create a complete weighbridge system



1 GUIDE RAILS AND POSTS:

Extreme-duty guide rails are bolted in place to provide a strong, attractive barrier against accidental drive-offs. Tubing is gentle on truck wheels and is offset to allow maximum use of the deck.

2 INDICATORS:

A range of digital indicators meet the exact needs of any truck scale application, from basic weighing to advanced transactions and data handling. Manufactured to rigid quality standards, they provide the fastest, most accurate weight processing available.

3 REMOTE DISPLAYS:

Allow clear, comfortable viewing of scale information at considerable distances, indoors and outdoors. They provide outstanding value with a long list of standard features and are engineered for many years of reliable performance.





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4 STOP AND GO LIGHTS:

Help direct vehicle movement and provide added safety on the premises. Rugged design withstands all types of weather and environments.



5

5 PRINTERS:

Several printers are available, including the dot-matrix TM-U590, which prints a wide range of slips and documents. Prints 88 columns wide on up to four copies.

6 UNATTENDED SYSTEMS:

Allows 24/7 scale availability. Can be customised with several hardware options such as loop detectors, ID readers, video surveillance, traffic lights, and wireless communication.

7 MANHOLE:

Provides easy access in pit installations. Reinforced 600mm x 600mm manhole includes a heavy-duty cover to maintain weighbridge integrity.

CORROSION PROTECTION:

Steel deck scales can be zinc treated, for enhanced corrosion protection.

MI PAYLOAD SOFTWARE:

The solution for those companies that use the weight of commodities and products carried by vehicles as a key input to their supply chain processes. The software uses a Microsoft® SQL Server® 2008 database and runs under Windows® XP, Windows Vista®, Windows 7 and Windows 8. It may be installed on a single PC and linked to a single weighbridge. Alternatively, it may be configured to run easily and securely across networks within a sophisticated IT environment, alongside other supply chain and customer relationship management solutions, supporting many different types of users and interfacing with multiple scales.

6



7



Take the time to compare – you'll find Avery Weigh-Tronix offers the best selection, features, options and value in the industry, not to mention weighbridge data management software systems and unrivalled service support.

A perfect fit for any application



OUTSTANDING WARRANTY

Avery Weigh-Tronix Weighbridges are specifically designed for long-lasting performance in tough conditions. Our rugged designed and high quality construction are backed by a comprehensive warranty, offering you added reassurance and peace of mind.

2 YEARS All Weigh Bars and load cells.

5 YEARS BridgeMont steel weighbridge structure.

5 YEARS BridgeMont concrete weighbridge structure.

ENVIRONMENTAL PROTECTION

Environmental seals, stainless steel sheathed cable, surge protection, heavy-duty coatings and rugged construction help protect Avery Weigh-Tronix weighbridges from adverse weather conditions and operating environments.



LIGHTNING & SURGES



MOISTURE



DUST & DIRT



DELIVERING SERVICE EXCELLENCE

At Avery Weigh-Tronix, we strive to deliver cost effective service options that fit your specific requirements. Our solutions help you to maximise continuous operation, keeping your equipment running smoothly and minimising costly disruption to your business.

- ▶ 200 highly trained and qualified service technicians, throughout the British Isles.
- ▶ Flexible service packages to suit your needs and budgets.
- ▶ More than 250 years of experience, backed by worldwide investment in research and development.
- ▶ Largest fleet of Weighbridge test units in the British Isles.
- ▶ ISO9001:2008, UKAS and Safe Contractor accreditations.
- ▶ Technicians approved to verify scales as legal for trade.
- ▶ Advanced reporting systems give you visibility and control.
- ▶ A single supplier means reduced administration and lower costs for you.



For service call:

UK
0845 900 2244

DUBLIN
01 4000 700

BELFAST
028 9083 9092

INTERNATIONAL

*Please contact your local
Avery Weigh-Tronix distributor.*



SELECTION GUIDE

	BridgeMont Steel	BridgeMont Concrete	BridgeMont XT	BridgeMont Transportable*	Off Road
Gross Capacity	40 - 100 Tonnes	40 - 100 Tonnes	40 - 100 Tonnes	40 - 120 Tonnes	40 - 100 Tonnes
DTA	30 Tonnes	30 Tonnes	36 Tonnes	35 Tonnes	On application
Trade Approved	●	●	●	●	●
Standard Module Lengths					
Standard Total Bridge Lengths (metres)	6, 7, 7.5, 8, 9, 12, 15, 16, 18, 21, 22, 24	6, 7, 7.5, 8, 9, 12, 15, 16, 18, 21, 22, 24	6, 7, 7.5, 8, 12, 15,	5, 6, 10, 12, 15, 16, 18, 21, 24	6, 7, 7.5, 8, 9, 12, 15, 16, 18, 21, 22, 24
Custom Lengths	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ
Standard Module Widths					
Standard Widths	3, 3.35 m	3, 3.35 m	3.35, 3.65 m	3 m	3, 3.35 m
Custom Widths	Up to 4.5 m	Up to 4.5 m	Up to 4.5 m	N/A	Up to 4.5 m
Imperial Sizes	●	●	●	—	●
Weight Sensor	Weigh Bar	Weigh Bar	Weigh Bar	Weigh Bar T Cell	Weigh Bar / T-Series
Weight Sensor Warranty	2 years	2 years	2 years	2 years	2 years
Weighbridge Structure Warranty	5 years	5 years	5 years	5 years	5 years
Suspension System	Easi-Post	Easi-Post	Easi-Post	Easi-Post / Stops	Easi-Post / Stops
Deck Surface	Steel	Concrete	Steel	Steel	Steel
Finish	Paint	Tamped	Paint	Paint	Paint
Stainless Steel Sheathed Cable	○	○	○	●	○
Stainless Steel Junction Box	●	●	●	●	●
Build Versions					
Surface Mount with Guide Rails	●	●	●	●	●
Pit Mount	●	●	●	●	●
Gradient Kits	○	○	○	○	○
Steel Ramps	○	○	○	○	Ⓜ

* For Export: BMS-T Containerised Weighbridge

● Standard ○ Option — Not available Ⓜ Consult Factory

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Avery Weigh-Tronix

Please call us or visit www.averyweigh-tronix.com
 for your nearest Avery Weigh-Tronix distributor



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